

# LOCAL SOURCE WATER PROTECTION GRANTS



#### Descriptions of Local Source Water Protection Grant Projects Funded from 1997 to 2020

| <b>Grant Recipient</b>                                     | Grant    | Grant | Description   |
|--|----------|-------|---|
|  | Amount   | Year  |   |
| Town of Albany   | \$2,400  | 2020  | Educate the community with the intention to place a Ground Water Protection Ordinance on the town warrant for vote and adoption.  |
| Town of Francestown  | \$10,000 | 2020  | Created the town's first Water Resources Master Plan Chapter and Implementation Plan to be used by the Planning Board to guide protection actions when necessary with a community outreach component.   |
| Town of Hampstead  | \$20,000 | 2020  | Delineation and mapping higher value bedrock aquifer areas, known and future potential contamination threats to groundwater for implementing provisions of a Hampstead aquifer protection ordinance. Also included aquifer protection public outreach and education campaign. |
| City of Manchester   | \$20,000 | 2020  | Conducted a pilot project using drones to efficiently collect high-resolution imagery and data to assess forest health and support the water supply protection efforts in the Lake Massabesic watershed.  |
| Town of Newport  | \$17,200 | 2020  | Updated the water source protection plan for the Town of Newport which included the development of a management plan.   |
| North Conway Water<br>Precinct/Saco Headwaters<br>Alliance | \$20,000 | 2020  | Developed educational materials targeting eight municipalities within the USVLT service area and implementation of setting priorities for source water protection.  |

New Hampshire Department of Environmental Services

Drinking Water and Groundwater Bureau

Last Updated: 06/24/2021

| North Conway Water Precinct               | \$20,000 | 2020 | Assessed potential threat to the groundwater wells' aquifer from septic system loading which may result in supporting the likelihood of sewer extension construction.   |
|---|----------|------|---|
| Rockingham Planning<br>Commission         | \$20,000 | 2020 | Produced a regulatory tool that incorporates current information and research on buffer implementation, effectiveness, widths and functions, containing flexible components to custom fit individual needs of municipalities for source water protection. |
| Pennichuck Water Works, Inc               | \$20,000 | 2020 | Developed and implemented a modified source water protection plan for a new intake site on the Merrimack River.   |
| Berlin Water Works                        | \$20,000 | 2020 | Source Security Enhancement Project   |
| City of Keene                             | \$20,000 | 2020 | Source Security Enhancement Project   |
| Laconia Water Department                  | \$7,476  | 2020 | Source Security Enhancement Project   |
| Town of Salem                             | \$14,006 | 2020 | Source Security Enhancement Project   |
| Lakes Region Planning<br>Commission       | \$14,000 | 2019 | Updates to mapping and land use regulations for Plymouth and New Hampton.   |
| Lake Winnipesaukee<br>Association         | \$16,000 | 2019 | Watershed mapping and nutrient modeling for a sub-watershed of Lake Waukewan.   |
| Stony Brook Co-Op                         | \$20,000 | 2019 | Replacement of single-walled home heating oil tanks with double-walled ROTH tanks.  |
| Granite State Rural Water<br>Association  | \$19,981 | 2019 | Land use and land ownership assessment of the White Water Watershed.  |
| Strafford Regional Planning<br>Commission | \$20,000 | 2019 | Creation of regional maps highlighting the location of drinking water supplies and PCS's, creation of a web-based decision-making tool, and a pilot project to demonstrate both.  |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| Rockingham Planning<br>Commission | \$20,000 | 2019 | Creation of regional maps highlighting the location of drinking water supplies and PCS's, creation of a web-based decision-making tool, and a pilot project to demonstrate both. |
|-----------------------------------|----------|------|--|
| Pennichuck Water Works            | \$20,000 | 2019 | Advance conceptual BMP design to 50% level, and evaluate the feasibility of treating water discharged from Stump Pond via an existing structure.                                 |
| Merrimack Village District        | \$20,000 | 2019 | Assessment to determine likely sources of PFAS discovered in Witches Brook near MVD production wells #7&8.   |
| Manchester Water Works            | \$20,000 | 2019 | Preparation of designs and permits for several stormwater BMPs along Tower Hill Rd in Auburn and Candia.   |
| Garland Woods HOA                 | \$20,000 | 2019 | Source Security Enhancement Project  |
| City of Keene                     | \$14,500 | 2019 | Source Security Enhancement Project  |
| Town of Newport                   | \$3,350  | 2019 | Source Security Enhancement Project  |
| Rockingham Planning<br>Commission | \$19,586 | 2018 | Assess potential contaminant risks and offer source water protection options for communities within the RPC Region to consider.  |
| Pennichuck Water Works            | \$14,000 | 2018 | Investigation of the Boire Field Brook Sub-Watershed.  |
| Pennichuck Water Works            | \$17,500 | 2018 | Harris Pond Dredging Feasibility Study.  |
| Manchester Water Works            | \$20,000 | 2018 | Public Education and Outreach Program.   |
| Manchester Water Works            | \$8,600  | 2018 | Aquatic Vegetation Management Project.   |
| City of Claremont                 | \$8,000  | 2018 | Source Security Enhancement Project.   |
| Upper Saco Valley Land Trust      | \$1,500  | 2018 | Transactional Costs for Conservation Easement.   |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau

Last Updated: 06/24/2021

| Nashua Regional Planning<br>Commission | \$19,996 | 2018 | Improvements to local emergency response protocols relative to chemical spills and releases.   |
|--|----------|------|--|
| Town of Newport                        | \$19,965 | 2018 | Source Security Enhancement Project.   |
| Town of Newport                        | \$5,285  | 2018 | Source Security Enhancement Project.   |
| City of Claremont                      | \$5,348  | 2017 | Source Security Enhancement Project.   |
| Ladd Hill Cooperative                  | \$3,620  | 2017 | Source Security Enhancement Project.   |
| Epsom Village Water Dist.              | \$12,000 | 2017 | Source Security Enhancement Project.   |
| City of Dover                          | \$20,000 | 2017 | Source Security Enhancement Project.   |
| Newfields Village Water and<br>Sewer   | \$5,000  | 2017 | Source Security Enhancement Project.   |
| Town of Troy                           | \$15,662 | 2017 | Source Security Enhancement Project.   |
| Bear-Paw Regional Greenways            | \$7,080  | 2017 | Bear-Paw will perform outreach to land owners in three source water protection areas to inform them of their conservation options and initiate land conservation projects. They will also develop an action plan to protect wellhead protection areas of community water systems in their region and hold workshops for town officials and community members to encourage actions to protect drinking water. |
| Southeast Land Trust of NH (SELT)      | \$20,000 | 2017 | SELT will use funds for transaction costs related to purchasing a conservation easement on a 60 acre property in the Berry River watershed, a primary source for the City of Rochester's public water supply.  |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| Rockingham Planning<br>Commission (RPC)     | \$10,580 | 2017 | RPC will work with the Town of Fremont to revise the 1988 Aquifer Protection District, develop an inspection program for potential contamination sources, and hold workshops for residents and business owners within the District.   |
|---|----------|------|---|
| Granite State Rural Water<br>Assoc. (GSRWA) | \$19,563 | 2017 | GSRWA, along with several partners in NH and ME, will host a full scale, emergency spill response exercise on the Salmon Falls River. The River serves as a drinking water source for Somersworth, NH and Berwick, ME and the exercise will include members of the water systems and fire departments of both municipalities. |
| Manchester Water Works<br>(MWW)             | \$20,000 | 2017 | MWW will update the Lake Massabesic Protection Overlay District for the City of Manchester, to include measures to control phosphorus and other watershed protections. MWW will provide the revised ordinance to other watershed municipalities and encourage them to adopt.  |
| Lakes Region Planning<br>Commission (LRPC)  | \$15,000 | 2017 | LRPC will work with Ashland and Meredith to identify and enact land use regulation and mapping updates that would better protect local drinking water sources. These could include stormwater ordinances, aquifer protection ordinances, and/or site plan regulations.  |
| Manchester Water Works                      | \$20,000 | 2017 | MWW will obtain watershed storm drain mapping and develop a spill response priority area map for each municipality in the Lake Massabesic watershed. MWW will meet with first responders to review the maps and emergency response procedures.  |
| Upper Saco Valley Land Trust<br>(USVLT)     | \$20,000 | 2017 | USVLT will build awareness across communities in the Upper Saco River watershed on sustainable actions to protect ground and surface drinking water resources. A research phase will be undertaken followed by extensive public outreach.   |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| Strafford Regional Planning<br>Commission (SRPC) | \$18,722 | 2017 | SRPC will work with the City of Rochester and the City of Dover on preparing new water conservation regulations for consideration. SRPC will work with the cities to improve their existing water conservation regulations through the inclusion of various components of the state's model regulations for water efficient landscaping and water use restriction ordinance. |
|--|----------|------|--|
| Town of Northumberland                           | \$6,300  | 2016 | Source Security Enhancement Project.   |
| Town of Exeter                                   | \$16,045 | 2016 | Source Security Enhancement Project.   |
| Rockingham Planning<br>Commission                | \$9,500  | 2016 | RPC will assist the Town of Seabrook to prepare a groundwater reclassification application. The GAA reclassification will protect the wellhead protection area(s) associated with the municipal wells that provide groundwater to Seabrook's public water system.  |
| Green Mountain Conservation<br>Group             | \$19,387 | 2016 | GMCG will provide outreach and education programs that focus on groundwater protection and minimizing the release of harmful contaminants into groundwater within the Ossipee Watershed.   |
| Lake Winnipesaukee<br>Association                | \$16,770 | 2016 | LWA will assist the Town of Meredith to install a rain garden bio-retention basin and improve treatment of stormwater that discharges to Lake Waukewan. Stormwater improvements will be made at the Waukewan Bath House site located on Waukewan Street.   |
| City of Concord                                  | \$20,000 | 2016 | The City will pay for transactional costs related to the permanent protection of two parcels of land known as the Haller Farm Woodlot. The permanent conservation of this property should significantly reduce the threat of potential contamination from incompatible uses in close proximity to the public water supply intake at Penacook Lake.                           |
| Strafford Regional Planning<br>Commission        | \$19,960 | 2016 | SRPC will conduct an investigation in partnership with the University of New Hampshire of the vulnerability of public drinking water supplies in Newmarket to saltwater intrusion.   |
| Lower Bartlett Water Precinct                    | \$8,908  | 2016 | LBWP will review existing and project future nitrate levels in groundwater within the Wellhead Protection Area of the Precinct's two production wells. The purpose is to fully review existing nitrate data over a period of years and   |

New Hampshire Department of Environmental Services

Drinking Water and Groundwater Bureau

Last Updated: 06/24/2021

| compare detected nitrate concentrations in the wells to projected concentrations in the contributing aquifer using assumed wastewater nitrate loading rates and aquifer characteristics. LBWP will also complete a projection of the increase of future development in the well field capture zone considering current Bartlett and LBWP zoning and historic growth rates.  Pennichuck Corporation \$20,000 2016 PWW will assess sediment sources, inputs, and potential contaminant sources on the primary stream tributaries of the Pennichuck Brook, a primary source of drinking water for the City of Nashua, New Hampshire. PWW will identify specific sources of sediment and identify Best Management Practices (BMPs) that will reduce and/or capture sediment prior to entering the tributaries and/or water supply ponds within the Pennichuck Brook Watershed.  Manchester Water Works \$20,000 2016 The City will conduct assessment of at least twelve culverts within the Lake Massabesic Watershed, a primary source of drinking water for the City of Manchester. The objective of the project is to evaluate the potential for culverts to wash out (fail) during intense storms on the most proximal culverts. These events may result in huge volumes of sediments being displaced into Lake Massabesic.  Town of Merrimack \$19,800 2016 The Town will purchase on-board Coverage Indication Technology (CIT) for winter road maintenance trucks. CIT will be installed on six of the Town's plow trucks that operate in the wellhead protection areas for three municipal wells that currently show elevated sodium and chloride levels most likely associated with long-term de-icing activities (i.e., sand and salt applications). The goal is to implement CIT on municipal trucks to reduce overlapping salt applications using real time CIT technology and accurately measure salt use and cost reductions over time.  Emerald Lake Village District \$16,949 2015 Source Security Enhancement Project  Gunstock Acres Village Water \$720 2015 Source Security Enhancement Project |                               |          |      |  |
|--|-------------------------------|----------|------|--|
| on the primary stream tributaries of the Pennichuck Brook, a primary source of drinking water for the City of Nashua, New Hampshire. PWW will identify specific sources of sediment and identify Best Management Practices (BMPs) that will reduce and/or capture sediment prior to entering the tributaries and/or water supply ponds within the Pennichuck Brook Watershed.  Manchester Water Works  \$20,000  2016  The City will conduct assessment of at least twelve culverts within the Lake Massabesic Watershed, a primary source of drinking water for the City of Manchester. The objective of the project is to evaluate the potential for culverts to wash out (fail) during intense storms on the most proximal culverts. These events may result in huge volumes of sediments being displaced into Lake Massabesic.  Town of Merrimack  \$19,800  2016  The Town will purchase on-board Coverage Indication Technology (CIT) for winter road maintenance trucks. CIT will be installed on six of the Town's plow trucks that operate in the wellhead protection areas for three municipal wells that currently show elevated sodium and chloride levels most likely associated with long-term de-icing activities (i.e., sand and salt applications). The goal is to implement CIT on municipal trucks to reduce overlapping salt applications using real time CIT technology and accurately measure salt use and cost reductions over time.  Emerald Lake Village District  \$16,949  2015  Source Security Enhancement Project  Source Security Enhancement Project   |                               | <b>.</b> | 2016 | concentrations in the contributing aquifer using assumed wastewater nitrate loading rates and aquifer characteristics. LBWP will also complete a projection of the increase of future development in the well field capture zone considering current Bartlett and LBWP zoning and historic growth rates.   |
| Massabesic Watershed, a primary source of drinking water for the City of Manchester. The objective of the project is to evaluate the potential for culverts to wash out (fail) during intense storms on the most proximal culverts. These events may result in huge volumes of sediments being displaced into Lake Massabesic.  Town of Merrimack \$19,800 2016 The Town will purchase on-board Coverage Indication Technology (CIT) for winter road maintenance trucks. CIT will be installed on six of the Town's plow trucks that operate in the wellhead protection areas for three municipal wells that currently show elevated sodium and chloride levels most likely associated with long-term de-icing activities (i.e., sand and salt applications). The goal is to implement CIT on municipal trucks to reduce overlapping salt applications using real time CIT technology and accurately measure salt use and cost reductions over time.  Emerald Lake Village District \$16,949 2015 Source Security Enhancement Project  Gunstock Acres Village Water \$720 2015 Source Security Enhancement Project   | Pennichuck Corporation        | \$20,000 | 2016 | on the primary stream tributaries of the Pennichuck Brook, a primary source of drinking water for the City of Nashua, New Hampshire. PWW will identify specific sources of sediment and identify Best Management Practices (BMPs) that will reduce and/or capture sediment prior to entering the tributaries   |
| winter road maintenance trucks. CIT will be installed on six of the Town's plow trucks that operate in the wellhead protection areas for three municipal wells that currently show elevated sodium and chloride levels most likely associated with long-term de-icing activities (i.e., sand and salt applications). The goal is to implement CIT on municipal trucks to reduce overlapping salt applications using real time CIT technology and accurately measure salt use and cost reductions over time.  Emerald Lake Village District \$16,949 2015 Source Security Enhancement Project  Gunstock Acres Village Water District \$720 2015 Source Security Enhancement Project   | Manchester Water Works        | \$20,000 | 2016 | Massabesic Watershed, a primary source of drinking water for the City of Manchester. The objective of the project is to evaluate the potential for culverts to wash out (fail) during intense storms on the most proximal culverts. These events may result in huge volumes of sediments being   |
| Gunstock Acres Village Water District \$720 2015 Source Security Enhancement Project   | Town of Merrimack             | \$19,800 | 2016 | winter road maintenance trucks. CIT will be installed on six of the Town's plow trucks that operate in the wellhead protection areas for three municipal wells that currently show elevated sodium and chloride levels most likely associated with long-term de-icing activities (i.e., sand and salt applications). The goal is to implement CIT on municipal trucks to reduce overlapping salt applications using real time CIT technology and accurately measure salt use |
| District   | Emerald Lake Village District | \$16,949 | 2015 | Source Security Enhancement Project  |
| Town of Marlborough \$18,000 2015 Source Security Enhancement Project  | _                             | \$720    | 2015 | Source Security Enhancement Project  |
|  | Town of Marlborough           | \$18,000 | 2015 | Source Security Enhancement Project  |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| Town of Brentwood  | \$16,946 | 2015 | The town will perform aquifer, wetland, and shoreland protection ordinance updates and source water resource education and outreach.   |
|--|----------|------|--|
| Southeast Land Trust of NH (SELTNH)                                    | \$19,950 | 2015 | SELTNH will use funds to support transactional costs related to the permanent protection of a 43-acre tract of land known as the Thompson tract. The Town of Durham will acquire the fee and SELTNH will acquire a conservation easement, to reduce the threat of potential contamination from incompatible uses in close proximity to the public water supply intake.   |
| Strafford Regional Planning<br>Commission (SRPC)                       | \$13,166 | 2015 | SRPC will work with the Town of Farmington to update their current Aquifer Protection Overlay District. The revised ordinance will better protect existing and potential public water system sources and groundwater resources by making updates that reflect current resources found in the NHDES Model Groundwater Protection Ordinance (2010).  |
| Upper Valley Lake Sunapee<br>Regional Planning Commission<br>(UVLSRPC) | \$17,575 | 2015 | UVLSRPC will work with the Town of Enfield to update the Town's Wellhead Protection Plan. This project will include the drafting of an updated Groundwater Protection Ordinance to provide further protection for the Town's wellhead protection areas.  |
| Manchester Water Works (MWW)   | \$20,000 | 2015 | MWW will update the Lake Massabesic Watershed Management Plan to better protect, preserve, and maintain public water system sources. The plan will include updating the existing inventory of potential contamination sources (PCSs), evaluating and prioritizing existing and potential threats to water quality, and planning for future land acquisitions.  |
| Laconia Conservation<br>Commission (LCC)                               | \$15,000 | 2015 | LCC will develop a watershed plan for Black Brook, a major tributary to Paugus Bay which is Laconia's drinking water supply source. The watershed plan will document existing conditions in the watershed, summarize results of work done to date, and identify a refined list of restoration projects. This plan will be used as a tool for future restoration project selection and implementation in the watershed. |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| Manchester Water Works<br>(MWW) | \$2,500  | 2015 | MWW will use funds to support cyanobacterial pigment monitoring efforts in Lake Massabesic through the purchase of sampling equipment and supplies.  MWW will follow the Sampling and Analysis Plan (SAP) for the Cyanobacteria & Bloom Watch Monitoring Program developed by the United States Environmental Protection Agency (USEPA) New England Regional Laboratory.   |
|---------------------------------|----------|------|--|
| Pennichuck Corporation<br>(PWW) | \$20,000 | 2015 | PWW will develop a series of short video segments to demonstrate actions watershed residents may take to limit non-point source contaminants and better protect drinking water resources. The videos will highlight the importance of watershed protection, present PWW's management approach, and showcase actions residents can take to further protect the watershed and drinking water resources.  |
| City of Lebanon                 | \$10,840 | 2015 | The City will use funds to support monitoring efforts for the presence of cyanobacteria and associated pigments and toxins in the City's source water. The City will purchase sampling equipment and partner with an accredited laboratory to analyze routine water samples for a year. The City will follow the Sampling and Analysis Plan (SAP) for the Cyanobacteria & Bloom Watch Monitoring Program developed by the United States Environmental Protection Agency (USEPA) New England Regional Laboratory. |
| Manchester Water Works (MWW)    | \$20,000 | 2015 | MWW will develop a database and user guide. The relational database will organize and store data that has been collected in the Lake Massabesic watershed and will be a tool for MWW staff to identify trends and plan future monitoring efforts. The user manual will provide guidance for using and maintaining the database and will include a compilation of standard operating procedures and monitoring information that will serve as a training and operations manual for MWW staff.                     |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| Granite State Rural Water<br>Association (GSRWA) | \$20,000 | 2015 | GSRWA will improve upon the existing inventory of Emergency Planning and Community Right-to-Know Act (EPCRA) Tier II facilities having aboveground storage tanks (ASTs) containing petroleum and hazardous chemicals reportable under the federal EPCRA and located within the Hydrological Area of Concern (HAC) for Pennichuck Water Works. This will provide water system operators and emergency managers in the corridor an accurate and complete inventory of ASTs in their community, generally improve information about ASTs containing hazardous chemicals, and raise awareness on the risk of a release into surface and/or groundwater that could affect public drinking water supplies. |
|--|----------|------|--|
| Town of Winchester                               | \$2,900  | 2014 | Source Security Enhancement Project  |
| Town of Pittsburg                                | \$14,250 | 2014 | Source Security Enhancement Project  |
| Town of Exeter                                   | \$14,207 | 2014 | Source Security Enhancement Project  |
| Town of Plaistow                                 | \$19,996 | 2014 | Update the Town's Source Protection Plan, review regulations necessary to further protect local drinking water resources, and review and update the Town's current Aquifer Protection Ordinance.   |
| City of Lebanon                                  | \$10,000 | 2014 | Re-write the City's Subdivision and Site Plan regulations to assure that innovative low-impact development (LID) techniques and proper stormwater management are applied to new development and re-development within the City.  |
| Strafford Regional Planning<br>Commission        | \$12,678 | 2014 | Work with the City of Rochester to review and revise the City's Aquifer Protection Ordinance.  |
| Wagon Wheel Tenants<br>Cooperative               | \$8,000  | 2014 | Remove four existing aboveground heating oil storage tanks located within the system's sanitary protective area and replace them with three new Roth style aboveground storage tanks.  |
| Jackson Water Precinct                           | \$19,800 | 2014 | Survey, engineer, and design plans for the relocation of a cross-country ski trail away from the Precinct's surface water source intake and treatment plant.   |
| Village District of Eastman                      | \$18,570 | 2013 | Source Security Enhancement Project  |
| City of Claremont                                | \$5,297  | 2013 | Source Security Enhancement Project  |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| Troy Water & Sewer<br>Department            | \$2,529  | 2013 | Source Security Enhancement Project  |
|---|----------|------|--|
| Monadnock Tenants Co-op                     | \$4,640  | 2013 | Remove two existing aboveground heating oil tanks located within the systems sanitary protective area and replace them with two new Roth style tanks.  |
| Strafford Regional Planning<br>Commission   | \$10,095 | 2013 | Work with the Oyster River Local Advisory Committee and the DES Rivers Program to assist in the development and adoption of a River Corridor Management Plan for the Oyster River.   |
| NH Lakes Association                        | \$18,606 | 2013 | Partner with the Canobie Lake Protective Association to implement an initiative designed to result in Canobie Lake watershed residents taking action to adopt best management practices to provide more protection to their drinking water source from point and nonpoint pollution sources.             |
| Lakes Region Planning<br>Commission         | \$12,475 | 2013 | Assist the City of Laconia with installing a vegetated bio-retention basin and associated catch basin within the Paugus Bay watershed.   |
| Lake Winnipesaukee<br>Watershed Association | \$20,000 | 2013 | Address nutrient loading on lake Waukewan by providing cost-sharing incentives to property owners within 250 feet of the lake to conduct on-site septic system evaluations.  |
| Plymouth Water & Sewer                      | \$15,000 | 2013 | Investigate the reasons why sodium and chloride concentrations have been increasing steadily in the District's water supply wells. The District will develop a comprehensive mitigation plan based on findings that focuses on reducing sodium and chloride levels within the wellhead protection areas. |
| Tamworth Pines Coop                         | \$7,775  | 2011 | Source Security Enhancement Project  |
| Ridgewood Estates                           | \$6,438  | 2011 | Source Security Enhancement Project  |
| City of Claremont                           | \$8,700  | 2011 | Source Security Enhancement Project  |
| Town of Belmont                             | \$10,000 | 2011 | Source Security Enhancement Project  |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| UNH Piscataqua Region<br>Estuaries Partnership | \$19,920 | 2011 | Implementing Source Water Protection Strategies of the Salmon Falls Watershed Collaborative such as establishing clear local regulations within at least two municipalities in the water supply watershed for Somersworth to ensure that innovative low impact development techniques and proper stormwater management are applied to new development and redevelopment. |
|--|----------|------|--|
| NH Lakes Association                           | \$19,600 | 2011 | Implement a Lake Conservation Corps program within the 250-foot protected shoreland of Lake Waukewan and within one mile of the Meredith Water Department intake to construct stormwater best management practices to reduce the amount of stormwater runoff that flows off into Lake Waukewan.  |
| Southern NH Planning<br>Commission             | \$10,000 | 2011 | Coordinate region-wide source water protection workshops at four of the regional planning commissions in the state. The workshops will provide basic training and education to municipal officials about source water protection planning and how to prepare and implement a Source Water Protection Plan in their community.  |
| Merrimack Village District                     | \$20,000 | 2011 | Investigate the reasons why sodium and chloride concentrations have been increasing steadily in the majority of the District's water supply wells. The District will develop a comprehensive mitigation plan based on findings that focuses on reducing sodium and chloride levels within the wellhead protection areas.   |
| USGS   | \$20,000 | 2011 | Complete a study to describe both spatial and temporal trends in chloride and sodium concentrations in groundwater used for drinking-water supply in New Hampshire.  |
| Pickpocket Woods Association                   | \$5,151  | 2010 | Source Security Enhancement Project  |
| Hanover Water Works                            | \$5,500  | 2010 | Source Security Enhancement Project  |
| Beebe River Village District                   | \$1,815  | 2010 | Source Security Enhancement Project  |
| Troy Water Works                               | \$2,131  | 2010 | Source Security Enhancement Project  |
| Town of Farmington                             | \$18,880 | 2010 | Source Security Enhancement Project  |
|  |          |      |  |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| UNH Piscataqua Region<br>Estuaries Partnership            | \$19,920 | 2010 | Convene a Salmon Falls Watershed Collaborative which will include planning a workshop, developing a white paper, and implementing some key actions based on priorities identified through the workshop and in the white paper.   |
|---|----------|------|--|
| Upper Valley Lake Sunapee<br>Regional Planning Commission | \$19,989 | 2010 | Conduct a riparian buffer protection project within the area upgradient of the city of Lebanon's water supply intake.  |
| Southern NH Planning<br>Commission                        | \$17,000 | 2010 | Continue regional source water protection initiative with Derry to inventory water supply threats and develop a source water protection plan that will guide community actions necessary to protect local water supplies.  |
| Lakes Region Planning<br>Commission                       | \$20,000 | 2010 | Implement several high priority recommendations identified as part of the Ossipee source water protection project. The LRPC along with the Green Mountain Conservation Group will develop groundwater protection zoning ordinances for three towns within the Ossipee watershed: Tamworth, Sandwich and Madison. |
| LifeWise Community Projects                               | \$20,000 | 2010 | Provide schools throughout the state with drinking water protection and non-point source pollution demonstrations. Continuation of past projects.  |
| Town of Errol   | \$9,560  | 2010 | Update the wellhead protection area and prepare a wellhead protection plan based on the revised wellhead protection area.  |
| Lower Bartlett Water Precinct                             | \$19,935 | 2010 | Update the wellhead protection area and prepare a wellhead protection plan based on the revised wellhead protection area.  |
| Town of Jaffrey   | \$20,000 | 2010 | Improve site conditions within the sanitary radius of the Town's Turnpike Well, by conveying stormwater and any petroleum-based contaminants associated with a school bus parking area away from the well and into a stormwater treatment practice.  |
| Stonebridge Village                                       | \$4,809  | 2009 | Source Security Enhancement Project  |
| Soda Brook Cooperative                                    | \$13,777 | 2009 | Source Security Enhancement Project  |
| Town of Exeter  | \$5,500  | 2009 | Source Security Enhancement Project  |
| Gunstock Acres Village District                           | \$13,293 | 2009 | Source Security Enhancement Project  |
| Waterville Valley Village<br>District                     | \$8,050  | 2009 | Source Security Enhancement Project  |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| City of Claremont   | \$9,300  | 2009 | Source Security Enhancement Project  |
|---|----------|------|--|
| Cornerstone Christian<br>Academy                          | \$10,300 | 2009 | Remove two heating oil underground storage tanks that are within the source's sanitary radius and replace them with two aboveground storage tanks inside the building with secondary containment.  |
| Society for the Protection of NH Forests                  | \$20,000 | 2009 | Enhancing local source water protection capabilities by making source water-related data and geographic information system (GIS) maps web accessible. The SPNHF will design a website titled NH's Changing Landscape and will include data on critical water supply lands and accompanying GIS maps including information related to favorable gravel well analysis. |
| City of Berlin  | \$19,978 | 2009 | Evaluate the hydrogeology of the aquifer that supplies water to the Brown Farm Well ultimately redelineating the wellhead protection area.   |
| Upper Valley Lake Sunapee<br>Regional Planning Commission | \$17,080 | 2009 | Coordinate the initial steps for the nomination of the Mascoma River as a "designated river" into the NH Rivers Management and Protection Program to provide the mechanism for collaboration and provide a process for the future management of the river and the protection of drinking water for the City of Lebanon.  |
| Southern NH Planning<br>Commission                        | \$17,000 | 2009 | Continue regional source water protection initiative with Goffstown to inventory water supply threats and develop a source water protection plan that will guide community actions necessary to protect local water supplies.  |
| Lakes Region Planning<br>Commission                       | \$20,000 | 2009 | Implement several high priority recommendations identified as part of the Ossipee source water protection project. The LRPC along with the Green Mountain Conservation Group and the Ossipee Watershed Coalition will develop groundwater protection zoning ordinances for three towns within the Ossipee watershed: Freedom, Ossipee and Effingham.                 |
| LifeWise Community Projects                               | \$20,000 | 2009 | Provide schools throughout the state with drinking water protection and non-point source pollution demonstrations. Continuation of past projects.  |
| Mittersill Water Department                               | \$7,000  | 2008 | Source Security Enhancement Project  |
| Monadnock Tenant Coop                                     | \$14,990 | 2008 | Source Security Enhancement Project  |
| Town of Bennington  | \$8,000  | 2008 | Source Security Enhancement Project  |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| Franklin Water Department                | \$15,000 | 2008 | Source Security Enhancement Project  |
|--|----------|------|--|
| Village District of Eastman              | \$6,275  | 2008 | Source Security Enhancement Project  |
| Aquarion Water Co.                       | \$11,706 | 2008 | Source Security Enhancement Project  |
| Troy Water Works                         | \$3,220  | 2008 | Source Security Enhancement Project  |
| Henry Moore School                       | \$1,580  | 2008 | Source Security Enhancement Project  |
| Stonebridge Village                      | \$2,035  | 2008 | Source Security Enhancement Project  |
| Mountain Lakes Water District            | \$12,970 | 2008 | Source Security Enhancement Project  |
| Pennichuck Water Works                   | \$20,000 | 2008 | Continue with Phase II of their community based social marketing (CBSM) project which will include the finalization of an education action plan revolving around CBSM success elements such as creating slogans and vivid messages, establishing norms, developing community goals with feedback and incentives and increasing contact with the community. |
| Southern NH Regional Planning Commission | \$18,000 | 2008 | Continue regional source water protection initiative with Raymond & Weare to develop, update & implement source protection plans, rules & ordinances.  |
| LifeWise Community Projects              | \$15,000 | 2008 | Provide schools throughout the state with drinking water protection and non-point source pollution demonstrations. Continuation of past projects.  |
| City of Laconia                          | \$19,424 | 2008 | Address storm water discharge contamination to Paugus Bay (the City's drinking water supply source) by installing storm water treatment systems in eight different locations.  |
| Town of Canaan                           | \$19,605 | 2008 | Implement key strategies identified in the Canaan Street Lake Watershed Protection Plan including septic system surveys, education and outreach, and developing a water quality testing program.   |
| Lakes Region Planning<br>Commission      | \$18,134 | 2008 | Continue efforts of the Tri-Town (Belmont, Northfield & Tilton) Project by drafting an aquifer protection ordinance.   |
| Manchester Water Works                   | \$6,030  | 2008 | Install a storm water treatment system at a parking lot in close proximity to the City's surface water source, Lake Massabesic.  |
| Highland Links Colony                    | \$14,865 | 2007 | Source Security Enhancement Project  |
| Gunstock Acres Village Water<br>District | \$14,225 | 2007 | Source Security Enhancement Project  |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau

Last Updated: 06/24/2021

| Town of Seabrook  | \$15,000 | 2007 | Source Security Enhancement Project   |
|---|----------|------|---|
| City of Rochester   | \$10,500 | 2007 | Source Security Enhancement Project   |
| City of Portsmouth  | \$15,000 | 2007 | Source Security Enhancement Project   |
| Merrimack Village District                                | \$5,238  | 2007 | Source Security Enhancement Project   |
| Southern NH Regional Planning Commission                  | \$15,000 | 2007 | Continue a regional source water protection initiative for the towns of Candia, Chester and New Boston.   |
| NHDES-Watershed Bureau                                    | \$15,000 | 2007 | Develop three subwatershed plans as part of the comprehensive Exeter River Watershed Management project.  |
| Green Mountain Conservation<br>Group                      | \$15,000 | 2007 | Conduct source protection activities for the towns of Freedom, Madison, Tamworth, Ossipee, Sandwich and Effingham including an evaluation of threats to the Ossipee River aquifer.  |
| Rockingham County<br>Conservation District                | \$13,850 | 2007 | Host demonstration workshops at the newly constructed manure storage facility to educate horse owners in and around the Exeter River watershed.   |
| Hampstead Area Water<br>Company                           | \$10,875 | 2007 | Conduct an overall capacity assessment including re-delineating wellhead protection areas to improve source protection measures.  |
| Nashua Regional Planning<br>Commission                    | \$12,485 | 2007 | Increase the level of source protection at three public water systems in the Town of Pelham by creating a committee and administering inspections at potential contamination sources.   |
| Pembroke Water Works                                      | \$15,000 | 2007 | Evaluate the hydrogeology of the aquifer and re-delineate the wellhead protection areas for two of the systems major drinking water supply sources.   |
| Pennichuck Water Works                                    | \$15,000 | 2007 | Identify target areas within the Stump Pond Brook subwatershed to assess why residents are choosing certain behaviors that may contribute to nonpoint source pollution. Results will be used to develop an education action plan for source protection. |
| Wilton Water Commission                                   | \$15,000 | 2007 | Finalize plans to construct lined swales and treatment structure to capture and treat runoff from Rte 31 which is within close proximity to the wells.  |
| Upper Valley Lake Sunapee<br>Regional Planning Commission | \$15,000 | 2007 | Conduct source protection activities within the source protection area for Croydon Village School and Claremont's surface water supply source including   |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

|   |          |      | inventory of potential contamination sources, landowner education and the development of a protection plan.   |
|---|----------|------|---|
| LifeWise Community Projects                 | \$15,000 | 2007 | Provide schools throughout the state with drinking water protection and non-point source pollution demonstrations. Continuation of past projects.   |
| Grandview Estates<br>Homeowners Association | \$15,000 | 2006 | Source Security Enhancement Project   |
| Steele Pond Development                     | \$5,500  | 2006 | Source Security Enhancement Project   |
| Warner Village Water District               | \$5,900  | 2006 | Source Security Enhancement Project   |
| Glencliff Home for the Elderly              | \$15,000 | 2006 | Source Security Enhancement Project   |
| Milton Water District                       | \$15,000 | 2006 | Source Security Enhancement Project   |
| Franklin Water Department                   | \$15,000 | 2006 | Source Security Enhancement Project   |
| Hopkinton Village Precinct                  | \$4,800  | 2006 | Source Security Enhancement Project   |
| Village District of Eidelweiss              | \$8,600  | 2006 | Source Security Enhancement Project   |
| Aquarion Water Company                      | \$6,300  | 2006 | Source Security Enhancement Project   |
| LifeWise Community Projects, Inc.           | \$15,000 | 2006 | Provide schools throughout the state with drinking water protection and non-point source pollution demonstrations. Continuation of past projects.   |
| Southern NH Planning<br>Commission          | \$5,000  | 2006 | Develop source protection plan for the Town of Deerfield.   |
| Town of Peterborough                        | \$14,340 | 2006 | Develop a septic system management plan for residents, distribute public educational materials regarding lawn care, ecological landscaping, car maintenance, pet waste management, and household chemical storage, storm drain marking and illicit discharge detection within the Northern Aquifer. |
| Rockingham County Conservation District     | \$15,000 | 2006 | Construct a horse manure storage facility within the Exeter River Watershed and hold a demonstration workshop to educate horse owners about source protection and manure management.  |
| Town of Bow                                 | \$4,500  | 2006 | Conduct storm water outlet locating, develop map and storm water management plan for the Town.  |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau

Last Updated: 06/24/2021

| Cold River Local Advisory<br>Committee        | \$3,030  | 2006 | Implement an education and outreach campaign in order to present the Cold River Watershed source protection plan.  |
|---|----------|------|--|
| North Conway Water Precinct                   | \$15,000 | 2006 | Prepare Phase II delineations in order to develop an aquifer protection district.  |
| Wilton Water Commission                       | \$10,200 | 2006 | Construct structure to hold emergency response equipment to respond to spills near drinking water sources.   |
| Nashua Regional Planning<br>Commission        | \$10,053 | 2006 | Phase II of Pennichuck Brook Water Quality Monitoring Project.   |
| Town of Ashland Water Dept.                   | \$15,000 | 2006 | Conduct drainage study to evaluate effective means of reducing sodium and chloride concentrations around the Town's drinking water supply.                       |
| City of Franklin                              | \$15,000 | 2005 | Source Security Enhancement Project  |
| Plymouth Village Water & Sewer District       | \$3,000  | 2005 | Source Security Enhancement Project  |
| Town of Epping                                | \$9,600  | 2005 | Source Security Enhancement Project  |
| Westview Meadows                              | \$7,500  | 2005 | Source Security Enhancement Project  |
| City of Portsmouth                            | \$15,000 | 2005 | Source Security Enhancement Project  |
| Birch Bend Homeowners<br>Association-Thornton | \$9,929  | 2005 | Source Security Enhancement Project  |
| Rollinsford Water & Sewer<br>District         | \$11,000 | 2005 | Source Security Enhancement Project  |
| City of Concord                               | \$15,000 | 2005 | Source Security Enhancement Project  |
| Hill Water Works                              | \$13,250 | 2005 | Source Security Enhancement Project  |
| Pembroke Water Works                          | \$15,000 | 2005 | Source Security Enhancement Project  |
| Eagle Brook                                   | \$286.54 | 2005 | Source Water Protection Sign Project   |
| LifeWise Community Projects, Inc.             | \$15,000 | 2005 | Provide schools throughout the state with drinking water protection and non-point source pollution demonstrations. Continuation of past projects.                |
| Town of Newmarket                             | \$12,500 | 2005 | Refine wellhead protection area (WHPA) delineations for Bennett and Sewell Wells. Evaluate and address potential contamination sources within the revised WHPAs. |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau

Last Updated: 06/24/2021

| Wilton Water Commission                    | \$14,500 | 2005 | Complete feasibility assessment for the Abbott and Everett wells which will focus on reducing roadway pollution issues and vehicle accidents generated by the wells close proximity to Route 31.            |
|--|----------|------|---|
| Laconia Fire Department                    | \$2,500  | 2005 | Implement public education program and self inspection program to marinas, boat haulers, fuel delivery companies, and private boat owners about preventing releases of hazardous materials into Paugus Bay. |
| South Main Street Water<br>District        | \$15,000 | 2005 | Move uncovered salt pile to a location outside of sanitary radius to new covered shed on an impervious surface.   |
| Town of Hooksett                           | \$15,000 | 2005 | Develop a wellhead protection program for the Town's drinking water supply sources.   |
| Englewood Park                             | \$5,100  | 2004 | Source Security Enhancement Project   |
| Winchester Water Dept.                     | \$1,911  | 2004 | Source Security Enhancement Project   |
| Plymouth Village Water & Sewer Dept.       | \$6,000  | 2004 | Source Security Enhancement Project   |
| Valley View Condo Association              | \$6,430  | 2004 | Source Security Enhancement Project   |
| Woodsville Water & Light Department        | \$7,590  | 2004 | Source Security Enhancement Project   |
| Lost Valley Property Owners<br>Association | \$6,200  | 2004 | Source Security Enhancement Project   |
| Town of Colebrook                          | \$6,634  | 2004 | Source Security Enhancement Project   |
| Lochmere Village District                  | \$15,000 | 2004 | Source Security Enhancement Project   |
| West Swanzey Water<br>Company              | \$14,888 | 2004 | Source Security Enhancement Project   |
| Town of Lancaster                          | \$1,950  | 2004 | Source Security Enhancement Project   |
| Aquarion Water Company                     | \$15,000 | 2004 | Source Security Enhancement Project   |
| Town of Peterborough                       | \$15,000 | 2004 | Stormdrain and Septic Assessment Project  |
| LifeWise Community Projects                | \$15,000 | 2004 | Provide schools throughout the state with drinking water protection and non-point source pollution demonstrations. Continuation of past projects.   |
| Manchester Water Works                     | \$10,187 | 2004 | Expand existing youth education program.  |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau

Last Updated: 06/24/2021

| Lakes Region Planning<br>Commission    | \$17,712 | 2004 | Continuation of previous project. Implementation of 1 of 3 priority recommendations identified in Phase I of project. Develop BMP Guidebook.  |
|--|----------|------|---|
| Pennichuck Water Works                 | \$15,000 | 2004 | Design and construct an innovative storm water infiltration system for the Pennichuck Square Plaza parking area to prevent non-point source pollution from entering Pennichuck Brook. |
| Pennichuck Water Works                 | \$13,500 | 2004 | Design and construct an innovative storm water infiltration system for Celina Avenue, which abuts Pennichuck Brook.   |
| Nashua Regional Planning<br>Commission | \$14,625 | 2004 | Pennichuck Pond Water Quality Study   |
| Hanover Water Works                    | \$15,000 | 2004 | Develop GIS watershed maps of the surface water sources that provide drinking water to the Town of Hanover.   |
| City of Lebanon                        | \$15,000 | 2003 | Source Security Enhancement Project   |
| Belknap Heights Water<br>Association   | \$5,100  | 2003 | Source Security Enhancement Project   |
| Warner Village Water District          | \$5,583  | 2003 | Source Security Enhancement Project   |
| Whitefield Water Department            | \$6,675  | 2003 | Source Security Enhancement Project   |
| Johnson City Mobile Home<br>Park       | \$1,810  | 2003 | Source Security Enhancement Project   |
| Hanover Water Works                    | \$15,000 | 2003 | Source Security Enhancement Project   |
| Mountain View Housing Coop             | \$10,000 | 2003 | Source Security Enhancement Project   |
| Auburn Village School                  | \$2,122  | 2003 | Source Security Enhancement Project   |
| City of Portsmouth                     | \$4,000  | 2003 | Source Security Enhancement Project   |
| Town of Epping                         | \$4,000  | 2003 | Source Security Enhancement Project   |
| LifeWise Community Projects            | \$15,000 | 2003 | Provide schools throughout the state with drinking water protection and non-point source pollution demonstrations. Continuation of past project.                                      |
| Manchester Water Works                 | \$15,000 | 2003 | Develop a Lake Massabesic watershed protection overlay ordinance within the City of Manchester.   |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| Nashua Regional Planning<br>Commission  | \$15,000 | 2003  | Identify current and future water quantity and quality impacts to the Darrah Pond Aquifer.   |
|---|----------|-------|--|
| Town of Peterborough  | \$11,900 | 2003  | Address regulatory issues for wellhead and other water resource protection by improving the Town's existing regulations.   |
| Precinct of Haverhill Corner  | \$700    | 2003  | Purchase and install Drinking Water Protection signs within the Precincts wellhead protection area.  |
| Pennichuck Water Works  | \$15,000 | 2003  | Identify best pollution prevention & remediation measures for the developed Pennichuck Brook to Stump Pond and Holts Pond subwatersheds in the Pennichuck Watershed.   |
| Jackson Water Precinct  | \$15,000 | 2003  | Develop a Watershed Protection Plan for the Ellis River.   |
| Strafford Regional Planning<br>Commission/Oyster River<br>Watershed Association | \$3,580  | 2003  | Continue source water quality monitoring of the Oyster River in order to integrate ongoing monitoring into a multi year baseline study. The monitoring efforts will be linked with community source water protection planning initiatives.   |
| City of Portsmouth  | \$15,000 | 01/02 | Source Security Enhancement Project  |
| Town of Peterborough  | \$15,000 | 01/02 | Source Security Enhancement Project  |
| City of Dover   | \$3,000  | 01/02 | Source Security Enhancement Project  |
| Conway Village Fire District  | \$15,000 | 01/02 | Source Security Enhancement Project  |
| Plymouth Village Water & Sewer District   | \$5,945  | 01/02 | Source Security Enhancement Project  |
| Lakes Region Planning<br>Commission   | \$30,368 | 01/02 | Address the need for collaborative drinking water resources planning and protection for Belmont, Tilton and Northfield. Potential threats to drinking water supplies will be evaluated and recommendations will be made to each town.  |
| Merrimack Village District  | \$14,375 | 01/02 | Assess vulnerability to source water contamination. Emergency scenarios and their impacts will be assessed and prioritized. Deterrents, detection methods and response methods will also be assessed. A communication plan will be developed and training needs will be identified. MVD's emergency plan will be updated to include the results of the assessment. |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| \$14,765 | 01/02   | Implement a business and adult education program in the Town of Merrimack in order to increase wellhead protection education to businesses within source water protection areas.   |
|----------|---|--|
| \$15,000 | 01/02   | Improve water quality to Lake Massabesic by reducing siltation, turbidity, erosion, stabilizing soils and preventing excess nutrients from entering the Lake by implementing BMPs at Deerneck Boat Launch.   |
| \$12,248 | 01/02   | Investigate various protection opportunities, perform a watershed analysis and initiate a model protection ordinance for the Piscassic River.  |
| \$13,000 | 01/02   | Purchase an environmentally friendly boat in order to protect Lake Sunapee, the Town's drinking water supply source.   |
| \$15,000 | 01/02   | Provide schools throughout the state with drinking water protection and non-point source pollution demonstrations. Continuation of past project.   |
| \$15,000 | 01/02   | Map and stencil storm drains within the Pennichuck Watershed in order to increase awareness of discharges to the Pennichuck drinking water supply. Maps will be distributed to emergency response teams in order to prevent contamination.                   |
| \$15,000 | 01/02   | Identify best pollution prevention & remediation measures for a developed subwatershed in Pennichuck Watershed.  |
| \$9,500  | 01/02   | To continue source water quality monitoring of the Oyster River in order to integrate ongoing monitoring into a multi year baseline study. The monitoring efforts will be linked with community source water protection planning initiatives.                |
| \$15,000 | 01/02   | Develop a spill response plan in order to reduce contamination from Route 202A which is in close proximity to the Reservoir. The plan will include a vulnerability assessment and implementation recommendations.  Recommendations will then be implemented. |
| \$15,000 | 01/02   | Assess potential contamination sources associated with highway activities, including road salting, and the impacts that these activities have on groundwater quality of the aquifer underlying the drinking water wells.                                     |
|          | \$15,000<br>\$12,248<br>\$13,000<br>\$15,000<br>\$15,000<br>\$9,500<br>\$15,000 | \$15,000 01/02<br>\$12,248 01/02<br>\$13,000 01/02<br>\$15,000 01/02<br>\$15,000 01/02<br>\$9,500 01/02<br>\$15,000 01/02  |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

|  |          |       | Recommendations will be made for implementing additional source protection measures.  |
|--|----------|-------|---|
| Plaistow Conservation Commission             | \$15,000 | 01/02 | Develop local regulatory strategies in order to protect its groundwater resources.  |
| American Groundwater Trust                   | \$15,000 | 01/02 | Aquifer protection ordinances will be reviewed in Lee and Durham for consistency. The Lee Five Corners Well and Spruce Hole Aquifer will be reclassified. Public education materials will be developed and distributed. |
| Belknap Heights Water<br>Systems Association | \$9,000  | 00/01 | Move failing system out of sanitary radius and build new system outside of radius.  |
| LifeWise Community Projects, Inc.            | \$15,000 | 00/01 | Provide schools throughout the state with drinking water protection and non-point source pollution demonstrations. Continuation of past project.  |
| Dover Conservation<br>Commission             | \$15,000 | 00/01 | Enhance protection of groundwater resources & drinking water supplies by implementing more stringent local zoning controls and pursuing the NHDES groundwater reclassification process.                                 |
| Mascoma Lake Community Association           | \$15,000 | 00/01 | Assess Mascoma Lake & its tributaries by evaluating potential contamination sources and water quality.  |
| Merrimack Village District                   | \$15,000 | 00/01 | Delineate wellhead protection area and develop a potential contamination source management program.   |
| Merrimack Village District                   | \$15,000 | 00/01 | Implement BMP's for 1 of 12 location identified in drainage study. Control drainage of small area of Daniel Webster Highway that currently drains directly to wells 4 & 5 reducing potential for contamination.         |
| Merrimack Village District                   | \$11,699 | 00/01 | Implement BMP's for 1 of 12 location identified in drainage study. Control drainage of small area of Daniel Webster Highway that currently drains directly to wells 4 & 5 reducing potential for contamination.         |
| Pennichuck Water Works                       | \$15,000 | 00/01 | Identify best pollution prevention & remediation measures for developed subwatershed in Pennichuck Watershed.   |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| Pennichuck Water Works                          | \$15,000 | 00/01 | Identify best pollution prevention & remediation measures for developed subwatershed in Pennichuck Watershed.  |
|---|----------|-------|--|
| Rockingham Planning<br>Commission               | \$9,600  | 00/01 | Implement changes to local land use regulations within Exeter River Watershed and develop educational materials.   |
| Town of Exeter                                  | \$15,000 | 00/01 | Develop watershed management plan for Exeter Reservoir watershed, create watershed committee, and implement plan. Focus study beyond Exeter into Stratham & North Hampton.   |
| Town of Milford                                 | \$15,000 | 00/01 | Implement recommendations made in Town Master Plan & Pennichuck Water Works Watershed Management Plan. Develop wellhead protection area with extension into Amherst, evaluate yield protection, and review storm water regulations to prepare for upcoming Phase II NPDES regulations. |
| UNH Water Utilities                             | \$14,150 | 00/01 | Develop & implement a source water quality-monitoring plan for the Upper Oyster River and expand on existing inventory of potential & known contamination sources.   |
| Village District of Eidelweiss                  | \$13,715 | 00/01 | Develop drainage system & holding tanks system to reduce the threat of contamination to primary drinking water source due to its close proximity to major traffic route.   |
| City of Laconia Watershed<br>Advisory Committee | \$15,000 | 00/01 | Implement recommendations made in previous watershed study such as conduct sampling of storm water outfalls and tributaries that drain into Paugus Bay near water supply intake for Laconia Water Works.   |
| Nashua Regional Planning<br>Commission          | \$6,585  | 00/01 | Develop a storm water management program for compliance with EPA Phase II Storm Water Regulations in order to reduce impacts of nonpoint source pollution on region's public water supply source.  |
| Town of Hudson                                  | \$15,000 | 00/01 | Develop a source water protection program that will include delineating wellhead protection areas, evaluating safe yield, inventorying PCS's, assessing land use and public education.   |
| Manchester Water Works                          | \$15,000 | 99/00 | Construct a retention basin on existing MWW property to collect flowage and reduce contamination before runoff passes into Lake Massabesic.  |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| Fitzwilliam Village Water<br>District | \$3,000  | 99/00 | Determine existing easements within wellhead protection areas and develop new or revised easements to provide maximum drinking water protection.                                    |
|---------------------------------------|----------|-------|---|
| Pennichuck Water Works                | \$13,700 | 99/00 | Identify best pollution prevention and remediation options for the second most developed subwatershed in the Pennichuck Watershed.  |
| Claremont Conservation<br>Commission  | \$15,000 | 99/00 | Assess the Sugar River watershed by expanding inventory of contamination sources, creating community involvement and evaluating water quality.                                      |
| Town of Peterborough                  | \$15,000 | 99/00 | Modify and expand existing South Well groundwater flow model and combine with North Well model to analyze safe groundwater withdrawals and development.                             |
| Wilton Water Commission               | \$14,250 | 99/00 | Analyze existing water supply to determine future needs in order to begin planning for protection. Modify bylaws to make them more protective.                                      |
| Pelham Conservation<br>Commission     | \$7,060  | 99/00 | Identify pollution sources and existing protection measures for town-wide groundwater protection needs. Recommend improving existing bylaws to be more protective of groundwater.   |
| Littleton Water & Light               | \$3,660  | 99/00 | Identify groundwater flow and contamination locations in order to develop a source water protection area for drinking water supply.   |
| Littleton Water & Light               | \$15,000 | 99/00 | Analyze environmental impacts and suggest innovative mitigation measures for source water protection.   |
| Pennichuck Water Works                | \$15,000 | 99/00 | Construct and implement BMP's to treat storm water runoff entering Harris Pond.   |
| Whitefield Conservation Commission    | \$14,100 | 99/00 | Develop GIS based watershed map & database to provide assistance in source delineation, land use assessment for the implementation of buffers, BMP's and other protection measures. |
| Merrimack Village District            | \$15,000 | 99/00 | Develop and increase public awareness regarding drinking water protection through education, outreach and alternative landscape design.   |
| Merrimack Village District            | \$15,000 | 99/00 | Map drainage area for two supply wells subject to high amounts of pollution and implement BMP's for their protection.   |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| Green Mountain Conservation<br>Group      | \$12,000 | 99/00 | Create detailed watershed map, including KCS/PCS, land use information, PWS and protected lands. Implement drinking water protection program, hold workshops for landowners, create educational program, and distribute information regarding BMP's and watershed issues. |
|---|----------|-------|---|
| Contoocook Village Precinct               | \$14,805 | 99/00 | Develop watershed protection plan for surface water source. Inventory PCS's and develop map.  |
| Town of Salem                             | \$15,000 | 99/00 | Install guardrail along northern shore of Canobie Lake to reduce potential of vehicles and fuels from entering surface source due to its close proximity to major traffic route.  |
| Strafford Regional Planning<br>Commission | \$3,150  | 98/99 | Bring together stakeholders in order to gauge interest in watershed planning, reach consensus on issues & problems & develop approach to resolving watershed issues & problems through workshops, meetings & field days.  |
| City of Portsmouth                        | \$15,000 | 98/99 | Install monitoring wells around water supply wells for early warning of contaminant migration in groundwater.   |
| Town of Peterborough                      | \$15,000 | 98/99 | Collect data regarding existing uses & groundwater characteristics around north aquifer area in order to develop wellhead protection for 3 existing & 1 proposed public water supply wells.   |
| Pennichuck Water Works                    | \$14,840 | 98/99 | Sediment mapping & water quality sampling of the Pennichuck Chain Ponds to evaluate whether phosphorus is being recycled from sediments & to determine whether dredging is necessary.   |
| Pennichuck Water Works                    | \$14,680 | 98/99 | Identify the best pollution prevention & remediation options for the most contaminated subwatershed in the Pennichuck watershed.  |
| Madbury Water District                    | \$13,370 | 98/99 | Perform samples in addition to those conducted during the previous summer & attempt to identify sources of the contamination & create watershed protection strategies.  |
| Exeter Conservation Commission            | \$2,500  | 98/99 | Assess siltation impacts to the Exeter Reservoir & associated wetlands from the Rte 101 construction project & possible restoration techniques, including a review of permitted water quality protection plans.   |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| LifeWise Community Projects, Inc.                | \$15,000 | 98/99 | Provide schools throughout the state with drinking water protection & nonpoint source pollution demonstrations.  |
|--|----------|-------|--|
| Town of Danville                                 | \$15,000 | 98/99 | Develop a comprehensive groundwater protection plan for the Town including developing conceptual models for the Town's stratified drift and bedrock supplies, inventorying potential contaminant sources and develop protection strategy.  |
| Swanzey Aquifer Protection<br>Task Force         | \$2,020  | 98/99 | Develop an educational campaign and inventory potential groundwater contamination sources with a view to instituting PCS monitoring in the future and such other land use controls for the protection and preservation of the largest aquifer system in southwest NH. Inventory and mapping will meet requirements of DWSAP. |
| Town of Jaffrey                                  | \$14,645 | 98/99 | Replace defective monitoring wells in Turnpike Well Field. Conduct hydraulic and chemical testing of the new monitoring wells and develop a groundwater-monitoring program.  |
| Manchester Water Works                           | \$25,000 | 97/98 | Complete a watershed assessment/ protection plan.  |
| City of Dover                                    | \$11,100 | 97/98 | Analyze current conditions within the aquifer that supplies the Smith and Cummings wells and develop long-term strategies, which allow Dover the continued use of the aquifer while allowing for safe development.   |
| City of Rochester                                | \$19,000 | 97/98 | Development of a GIS map of the Berry River watershed based on an aerial survey and existing sources. Also, development of database to assess potential risks to the water supply.   |
| City of Berlin, North Country<br>Council         | \$17,780 | 97/98 | Improve existing data related to potential contamination sources of the Berlin water system above the intake pipe on the Androscoggin River. North Country Council will also update the existing incomplete NH GRANIT system conservation land coverage within the study area.   |
| Precinct of Woodsville, North<br>Country Council | \$19,420 | 97/98 | Improve existing data related to potential contamination sources of Woodsville water system above intake pipe on the Ammonoosuc River. North Country Council will also update the existing incomplete NH GRANIT system conservation land coverage within the study area.   |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021

| Village District of Edelweiss,<br>North Country Council | \$12,308 | 97/98 | Improve existing data related to potential contamination sources of the Edelweiss water system. North Country Council will also update the existing incomplete NH GRANIT system conservation land coverage within the study area.                           |
|---|----------|-------|---|
| City of Lebanon   | \$22,000 | 97/98 | Based upon both existing data sources and an aerial survey, develop an inventory and GIS map for that portion of the Mascoma River Watershed that serves as the drinking water source for the City of Lebanon.  |
| Conway Village Fire District                            | \$24,000 | 97/98 | Installation of monitoring wells for the purpose of sampling groundwater to monitor potential sources of contamination.   |
| Town of Whitefield                                      | \$2,400  | 97/98 | Hire a licensed land surveyor to delineate boundary lines surrounding the well, so that the minimum required acreage may be purchased from the current landowner.   |
| Nashua Regional Planning<br>Commission                  | \$14,625 | 97/98 | Develop a comprehensive contamination source management program, by examining the existing potential for groundwater contamination. The program and analysis will focus on public education and specifically addresses the Curtis Wellhead Protection Area. |
| Rockingham County Board of Commissioner                 | \$13,000 | 97/98 | Protection of water supply by preparing a source water management plan and installing hydrocarbon containment facilities, which would intercept petroleum spills.   |
| Monadnock Tenants<br>Cooperative                        | \$17,000 | 97/98 | Inventory and assess the subsurface wastewater disposal systems and storm water drainage system to determine what action is necessary to protect the water supply from these potential contamination sources.   |
| City of Keene   | \$25,000 | 97/98 | Determine the effects of potential catastrophic releases of contaminants within Keene's wellhead protection areas.  |
| Kirlin Place  | \$3,000  | 97/98 | Construct a fence around the perimeter of the wellhead protection area in order to prevent accidental spills from vehicles driving in the vicinity.   |

New Hampshire Department of Environmental Services
Drinking Water and Groundwater Bureau
Last Updated: 06/24/2021